

You need TAPFREE if you work with:

- ✓ **HARD METALS**
- ✓ **ELECTRONIC GEAR**
- ✓ **MISSILE COMPONENTS**
- ✓ **CLOSE TOLERANCES**
- ✓ **EXPENSIVE MACHININGS**

TAPFREE is excellent for **ALL** machine work — highly recommended for **ELECTRONICS** because of non-toxicity and absence of sulfur.

TAPFREE is **MOST ECONOMIC** because just a few drops do the job.

PRICES:

½ pint	pint	gallon	5 gal. drum	55 gal. drum
\$1.15	\$1.95	\$12.45	\$12.20/gal.	\$12.00/gal.

WINFIELD BROOKS CO. INC.
WOBURN, MASS.

NOW!

**IT'S EASY
TO DRILL AND TAP
HARD METALS**

**EVEN
STAINLESS STEEL**

**WITH ONLY
A FEW
DROPS OF**

Taptree

winbro

NEW!

Taptree

winbro

A DROP



STOPS TAP
BREAKAGE



CUTS CLEAN
THREADS



GIVES BETTER
SURFACE
FINISH



FREES STUCK
TAPS, REAMERS



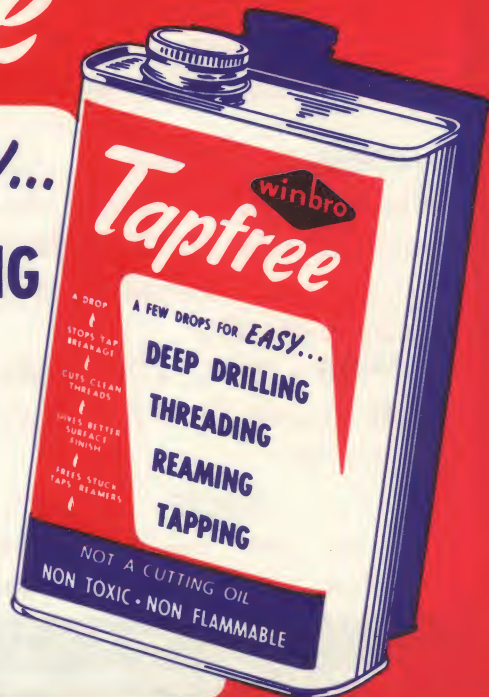
A FEW DROPS FOR *EASY...*

DEEP DRILLING

THREADING

REAMING

TAPPING



Taptree is not a cutting oil. It is a special compound formulated to instantaneously break down the metal to metal bond formed during tapping, threading, drilling, and reaming operations on any type of metal.

HARMLESS TO ALL METALS... DOES NOT CONTAIN SULPHUR OR CARBONTETRACHLORIDE

CAN TOUGH ALLOYS BE MACHINED LIKE MILD STEEL?

YES!

when you use *Tapfree!*



Here truly is a miracle product! A chemical compound — not a cutting oil. **INSTANTANEOUSLY** breaks down metal to metal bond. **MORE THAN DOUBLES YOUR SPEED OF OPERATION!** Class 3 fits easily obtained. Hardness to Rockwell 60 "C" is no problem. Gummy metal is no problem. A recommended product . . . it is **NON-TOXIC, NON-FLAMMABLE** and an **EXCELLENT COOLANT!**

Here Are Actual Case Histories

Wakefield, Mass.— We just finished a small hole drilling job; #61 drill in Armco 17-4 aircraft alloy, wire holes in the circumference of a ½" dia. piece. This troublesome job became easy and fast with practically no trouble or breakage. TAPFREE made this tough aircraft alloy act as if it were mild steel.

Staunton, Vir. — We had one trouble job of tapping a ¾ NPT in cold rolled steel. We normally run 50% scrap due to pulled threads but when we used TAPFREE we were able to increase tapping speeds and run without any

scrap on a sheet lot of 50 pieces. In 50 pieces, 400 holes were tapped.

Woburn, Mass. — You will be interested to know that we were drilling #29 holes ½" deep at rate of 6 per minute in brass-plated tool-steel ball bearings using a \$2.00/gal. lubricant with spray-mist application. We could only drill a maximum of 200 holes before sharpening the drill. We substituted

TAPFREE (and used it as a spray-mist application) and increased our speed to 12 holes per minute and have drilled as many as 7200 holes before the drill broke — it was never sharpened! With the old lubricant, labor costs for drilling 30,000 balls was \$166.00 and lubricant costs were \$10.00. With TAPFREE, labor costs were \$82.00 and lubricant costs were \$50.00, a total savings of \$44.00 and we have double use-time of the machine!

Use TAPFREE for ALL problem jobs. MANY production jobs can be done at substantial TOTAL savings plus higher quality work! Look for production applications in your operation. Savings on labor and down-time can be terrific.

Sizes	½ Pint	1 Pint	1 Gallon
Prices	\$1.15	\$1.95	\$12.45

WINFIELD BROOKS COMPANY, INC.
WOBURN, MASSACHUSETTS

TAPFREE ORDER CARD

Please ship the following order of TAPFREE;

QUANTITY	SIZE	PRICE	TOTAL
_____	1/2 Pint	\$1.15 ea.	_____
_____	1 Pint	1.95 ea.	_____
_____	1 Gal.	12.45 ea.	_____
_____	5 Gal.	61.00 ea.	_____

I understand orders are shipped via parcel post and/or motor freight, and that you pay delivery charges on orders of \$20.00 or more.

Terms: Net 30 days. Open account if rated in Dun & Bradstreet.

SIGNED _____ Purchase Order No. _____

COMPANY _____

STREET _____

CITY _____ STATE _____ Zip Code _____

Fill in and mail, no postage needed

Postage
Will be Paid
by
Addressee

No.
Postage Stamp
Necessary
If Mailed in the
United States

BUSINESS REPLY MAIL

First Class Permit No. 324 Woburn, Mass.

WINFIELD BROOKS COMPANY, INC.

CONN at FOWLE STREET

WOBURN, MASSACHUSETTS



Mr. T. Nelson
Systems Consultant
Box 546
Poughkeepsie, N.Y. 12603

WB

WINFIELD BROOKS COMPANY, INC.

Conn at Bowle Street

WOBURN -- MASSACHUSETTS

TELEPHONE WELLS 3-5300

...enclosed is your FREE SAMPLE of amazing TAPFREE....that you requested.

This revolutionary new chemical cutting fluid -- not an oil, and unlike anything else on the market today -- is designed to break down metal-to-metal bond instantly...during any tapping, threading, deep drilling or reaming operation. It is especially formulated for the toughest and hardest of alloys.

You'll find just a few drops of this non-toxic, non-flammable chemical cutting fluid will actually double your production, and at the same time -- it will reduce your labor costs and machine down-time -- prevent excessive tool wear and breakage

TAPFREE contains no sulphur or carbontetrachloride. It is ideally suited for the production of electronic or missile parts, close tolerance work, high-priced machinings.

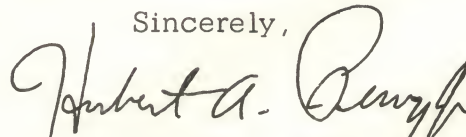
Right now, we invite you to give TAPFREE your toughest test! Accept our challenge to try it on the most troublesome job or metal you have.

Here's a quick test: Hand tap the hardest stock you have -- until the resistance gets roughest. Then, apply only a few drops of TAPFREE. Presto! The job is finished this quick...this easy! With microscopic tolerance, with no galling of the thread.

For highest quality work, at lowest production cost, TAPFREE is now being used by most leading firms -- including Polaroid, Sylvania, General Electric, Eastman Kodak, Sandia Corp., Westinghouse and many others.

But see for yourself! Test the enclosed sample now -- then, order a supply of TAPFREE for your own production problem needs. Ordering is easy -- just fill in the Order Card enclosed and drop it in the mail.

Sincerely,



Hubert A. Perry, Jr.
Sales Manager



ABSOLUTELY NOTHING WILL SOLVE Your Hi-Tensile Materials Problems LIKE... *Taptree!*

FEB 12 1962

MARTIN MARIETTA CORPORATION
AEROSPACE CHEMICALS CONSTRUCTION MATERIALS

BALTIMORE
DIVISION
Baltimore 3,
Maryland

February 7, 1962

Sales Department
Winfield Brooks Company, Inc.
Conn at Fowle Street
Woburn, Mass.

Gentlemen:

We are in the process of establishing your
"TAPFREE" material as a recommended lubricant for
tapping Hi-Tensile materials.

In order to clear this material for use in
our manufacturing departments we must submit the
attached forms for the approval of our Safety
Department.

Will you please fill in same and return them
to Mr. J. Durham, Mail #L-585, Safety Department,
Martin Marietta Corporation, Baltimore 3, Maryland

Your cooperation will be appreciated.

Very truly yours,

MARTIN MARIETTA CORPORATION
Space Systems Division

C. O. Davis
C. O. Davis
Supervisor
Advanced Manufacturing Technology

ALW:mks

TOUGH METAL MACHINING PROBLEMS?

Simple Solution: USE ... *Taptree!*

Purchase Order

JAN 18 1962

No 1135

BURWEN BROTHERS COMPANY, INC.

INDUSTRIAL MANUFACTURERS
PRODUCTION MACHINING, METAL
FABRICATION, PARTS AND ASSEMBLIES



FORM TOOLS - DIES - JIGS - AND
FIXTURES - STAMPINGS - WELDING
PRODUCT DESIGN AND DEVELOPMENT

582 MAIN STREET - WAKEFIELD, MASSACHUSETTS - U. S. A.
TELEPHONE 245-0200 AREA CODE 617

DATE January 17, 1962

TO Winfield Brooks Co.
Conn & Fowle St.
Woburn, Mass.

Please enter our order for:

2

small cans Tap Free (same as previously furnished)

Note: We just finished a small hole drilling job, #61 drill in Armco 17-4 aircraft alloy, wire holes in the circumference of a 1/2" dia. piece. The job which had previously been troublesom, slow, with drill breakage and uncertainties, became easy and fast with practically no trouble. It made this tough aircraft alloy act as if it were mild steel. One of the few products where ordinary observation enables to see a large difference in results.

BURWEN BROTHERS COMPANY, Inc.

by Henry Burwen

B. B. Co. REF. NO.
1500

Please turn page

WE HAVE SHOWN BELOW YOUR NEAREST SOURCE OF SUPPLY. IF THE LOCATION IS NOT CONVENIENT FOR YOU, *WILL YOU INDICATE IN THE SPACE PROVIDED THE NAME AND ADDRESS OF A POSSIBLE DISTRIBUTOR IN YOUR AREA AND RETURN THIS PORTION TO US? WE WILL THEN FOLLOW UP. (IN THE MEANTIME, IF YOU WISH, YOU MAY SEND ORDERS DIRECTLY TO US.)

SUGGESTED DISTRIBUTOR'S NAME

STREET ADDRESS

CITY AND STATE

New York	Brooklyn, Simon's Tool & Indus.Sply, 595 Manhattan Ave. New Hyde Park, L.I., Jericho Tool & Supply, 20 Jericho Tnpk New York City, Abbey Materials Corp., 49 West 27th St. Canal Hardware Co., 311 Canal St. Masback, Inc., 330 Hudson St. Max Shur Inc., 165 Grand St. Sol Tool Co., 164 Lafayette St. Woodside, L.I., Madison Tool & Equipment, 34 58th St.
Northern New York	Binghamton, Miller Supply, Inc. Buffalo, Machinists' Tools Inc., 839 Niagara Falls Blvd. Elmira, Rose, Kimball & Baxter, 511 Baldwin St. Glens Falls, J.E.Sawyer & Co., 64 Glen St. Northern Ind. Supply Co., The Boulevard Massena, M.E.Avery Co., 6 Railroad St. North Tonawanda, Cramer Indus. Supply, 20 Webster St. Rochester, Sidney B. Roby Co., 208 South Ave. Syracuse, Kelley Bros., 317 E. Brighton Ave. A.V. Wiggins, 334 Fayette Waterford, Vir-Mar Inc. Watertown, M.E.Avery Co., 302 N. Massey St. Watervliet, Trojan Tool Corp., 421 Second Ave.
North Carolina	Ashville, Biltmore Tool & Supply, 5 Brook St. Charlotte, Industrial & Tex. Supply, 1300 South Mint St. Durham, Sam C. Smoake Mill Splys., 1402 N. Gregson St. Shelby, Dixie Ind. Supply, 607 S. Lafayette St.
North Dakota	We do not have a source of supply convenient to you. *See note above.
Ohio	Brecksville, Kornuta Sales Canton, Canton Supply Cincinnati, Louder Co., 3833 Thornton Dr. Cleveland, Strong Tool, 341 E. 152nd Columbus, Smith Bros., Hdwe. 580 N. 4th St. Dayton, Dayton Indus. Supply Monnier Tool and Supply Co., 725 So. Main St. Marietta, American Supply Co., 134 Second St. Piqua, Production Equipment Co. Warren, Warren Hdwe. 829 High St. N.E.
Oklahoma	We do not have a source of supply convenient to you. *See note above.
Oregon	We do not have a source of supply convenient to you. *See note above.